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HETEOROLOGICAL DATA REPORT

19306AT GSRS Missiles No. 1042, 1039 Rounds No. V-44, V-45 26 June 1979

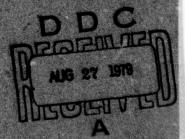
by

White Sands Meteorological Team

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UNITED STATES ARMY ELECTRONICS COMMAND



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Meteorological data gathered for the launching of 1042 and 1039, Rounds No. V-44 and V-45, are prese	19305AT GSRS, Missiles No.
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#### INTRODUCTION

 $\frac{19305AT\ GSRS}{and\ V-45}, \ \text{were launched from } \underline{\text{LC-33}}, \ \text{White Sands Missile Range (WSMR)}, \\ \text{New Mexico, at } \underline{1045} \ \text{ and } \underline{1045:03}\ \text{MDT}, \ \underline{\textbf{25}}\ \text{June 1979}. \\ \text{The scheduled launch times were } \underline{1045} \ \text{ and } \underline{1045:02}\ \text{MDJ}. \\ \\$ 

#### DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

### 1. Observations

### a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density  $(gm/m^3)$ , wind direction and speed, and cloud cover were made at the <u>LC-33</u> Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

### b. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

## SITE AND ALTITUDE

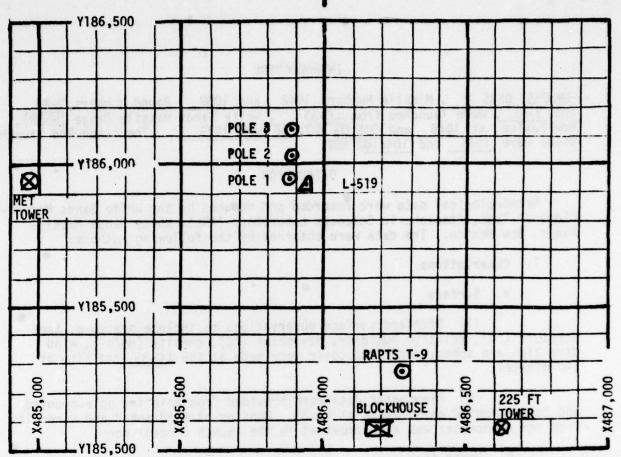
LC-33 1080 meters

(2) Air structure data (rawinsonde) were collected at the following Met Sites. Data were collected from surface to 86,000 feet in 500-feet increments.

SITE AND TIME

SMR 0915 MST





- MET TOWER 4 Bendix Model T-120 Anemometers at 12 ft, 62 ft, 102 ft and 202 ft with E/A recorders.
- 2. POLE ANEMOMETER Bendix Model T-120 with E/A recorders.
  - (a) Pole #1 38.7 ft
  - (b) Pole #2 53.0 ft
  - (c) Pole #3 83.6 ft
- 3. 225 FT WIND TOWER 5 Bendix Model T-120 Anemometers at 35 ft, 88 ft, 128 ft, 168 ft and 200 ft with 5 X-Y visual indicators in Blockhouse.
- 4. RAPTS T-9 Radar Automatic Pilot-Balloon Tracking System T-9 Radar

TABLE 1. SURFACE OBSERVATIONS TAKEN AT 1045 MDT, 26 JUNE 1979 AT LC-33, 19305AT GSRS, MISSILES NO. 1042 AND 1039, ROUNDS NO. V-44 AND V-45

ELEVATION	3977.30	FT/MSL
PRESSURE	886.7	MBS
TEMPERATURE	29,3	•c
RELATIVE HUMIDITY	34	*
DEW POINT	11.7	•c
DENSITY	1013	GM/M <sup>3</sup>
WIND SPEED	Calm	MPH
WIND DIRECTION	Calm	DEGREES
CLOUD COVER	Clear	

TABLE 2. LC-33 FIXED POLE ANEMOMETER-MEASURED WINDS

	POLE #1			POLE #2	E 0/69, 3-		POLE #3	
T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR	SPEED
-30	000	.00	-30	169	05	-30	164	04
-20	000	00	-20	164	05	-20	147	04
-10	000	00	-10	171	04	-10	143	03
0.0	000	00	0.0	158	03	0.0	147	01
+10	000	00	+10	084	04	+10	179	06

Type 19305AT GSRS , Missiles No. 1042, 1039, Rounds No. V-44, V-45, launched from LC-33 on 26 June 1979 at 1045, 1045:03 MDT.

POLE #1 = X485,874.29 Y185,958.90 H4018.74 38.7 ft. AGL

POLE #2 = X485,874.93 Y186,012.00 H4033.57 53.0 ft. AGL

POLE #3 = X485,877.29 Y186,116.06 H4063.92 83.6 ft. AGL

NOTE: Wind directions are referenced to the firing azimuth or true north true north

TABLE 3. LC-33 METEOROLOGICAL TOWER ANEMOMETER-MEASURED WINDS (202 FT. TOWER)

TABLE 4. PRIOR ES 1000-MEASURED WIND DATE (20 CHIER TROUBLESTED

	EVEL #1 12 ft.	098		EVEL #2 62 ft.	Sajm:
T-TIME SEC	DIR	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH
-30	131	05	-30	139	01
-20	133	06	-20	134	03
-10	127	05	-10	131	04
0.0	103	06	0.0	117	02
+10	147	08	+10	117	02
24.1	EVEL #3 102 ft.	07.5		LEVEL #4 202 ft.	581
T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED
-30	154	04	-30	133	05
-20	149	04	-20	133	04
-10	149	05	-10	135	03
0.0	150	08	0.0	146	03
+10	156	07	+10	152	03

WTSM Coordinates: X484,982.64 Y185,957.73 H3983.00 (base)

Type 19305AT GSRS , Missiles No. 1042, 1039, Rounds No. V-44, V-45, launched from LC-33 on 26 June 1979 at 1045, 1045:03 MDT.

NOTE: Wind directions are referenced to the firing azimuth \_\_\_\_\_ or true north true north .

TABLE 4. PILOT-BALLOON-MEASURED WIND DATA (30-METER INCREMENTS)

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
SFC	Calm	00
30	040	0.5
60	079	0.5
90	119	0.5
120	158	0.5
150	158	2.5
180	157	4.5
210	156	6.5
240	155	8.5
270	154	8.5
300	153	8.0
330	152	7.5
360	150	7.0

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
390	150	6.5
420	149	6.0
450	149	5.5
480	148	5.0
510	148	5.5
540	147	5.5
570	147	6.0
600	146	6.0
630	142	6.5
660	137	6.5
690	132	6.5
720	127	6.5
750	136	5.5

Release Point Coordinates (WSTM): X486,037.24 Y486,037.24 H3977.30

Released from LC-33 on 26 June 1979 at 1045 MDT.

Type  $\frac{19305AT\ GSRS}{LC-33}$ , Missiles No.  $\frac{1042}{1045}$ , Rounds No.  $\frac{V-44}{1045}$ , launched from  $\frac{LC-33}{1045}$  on  $\frac{26}{1045}$  June 1979 at  $\frac{1045}{1045}$ ,  $\frac{1045}{1045}$ .

NOTE: Wind directions are referenced to the firing azimuth \_\_\_\_\_\_ or true north \_\_\_\_\_\_

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
780	144	4.5
810	153	3.5
840	161	2.0
870	157	3.0
900	153	4.0
930	149	5.0
960	145	6.0
990	146	6.0
1020	147	6.0
1050	148	6.0
1080	149	5.5
1110	consuma.	K 10.00 10.00
1140	2 2 3 0 0 0	9+995
1170	·	
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1230	e de la companya	PARAR
1260	6 - 5 0 0 5 5 5	
1290	pr = 10 10 00 00 00 00 00 00 00 00 00 00 00	23-19-19-19-19-1
1320		
1350		
1380		
1410		

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
1440		83
1470		200
1500		3.13
1530		
1560		
1590		
1620		
1650		
1680	8	
1710		
1740	8)	
1770	1000 e = 8	
1800		
1830		
1860		
1890	B = 0 = 2	
1920	7 2 2 3 4 4	1
1950	1 1 2 2 2 2	- 68
1980		8
2010		10. 1
2040		8 7
2070		83

REL.HUM. PERCENT	00000000000000000000000000000000000000		
ERATURE DEWPOINT CENTIGRADE		867	
TEMPE AIR DEGREES	00000000000000000000000000000000000000	nnanoaan	t t t n n o o
E GEOMETRIC ALTITUDE S MSL FEET	3997.3 4442.0 51922.3 7836.6 11647.4 11647.4 116467.4 116467.4 116467.4 116467.4 11669.2 23298.1 22136.9 226637.5 26637.5 26637.5 26637.5 26637.5 26637.5 26637.5	46899.4 49562.4 50116.8 54043.2 54957.6 564961	66265.7 68910.7 75249.5 79738.9 83014.8
PRESSURE MILLIBARS	040000000000000000000000000000000000000	150.0 127.8 104.8 100.0 92.4 74.2	37.0 37.0 37.0 25.8 25.8

1

### PERSONE TEMPERATURE REL-HUM. DENSITY SPEED OF WIND DATA RALE INDEX ALITIUSE MILLIBARS DEARER DENFORMT FORCENT MILLIBARS DEARER DEAFT FORCENT MILLIBARS DEAFT FORCENT MILLIPART DEAFT FORCENT MILLIBARS DEAFT FORCENT MILLIBARS DEAFT FORCENT MILLIPART DEAFT FOR	STATION ALTI 25 JUNE 79 ASCENSION NO	TUDE 39	3997.30 FEET 0915 HRS MS	S MST		1 / 70050208 S M R	<b>2</b>		32.4 32.4 106.4	32.48034 LAT DEG 106.42307 LON DEG
865.8         30.4         12.3         33.0         1010.4         660.8         210.0         60           805.7         26.5         112.3         33.0         1010.4         660.8         210.0         60           805.7         26.5         112.3         37.3         1007.6         675.9         186.0         60           806.2         21.7         9.1         40.0         976.2         67.2         174.5         66.2           10.0         81.7         20.4         8.6         46.4         970.9         669.3         174.7         5.6           10.1         20.4         8.6         46.4         970.9         669.3         174.7         5.6           10.1         20.4         8.6         46.4         970.9         660.3         174.7         5.5           10.2         11.7         20.4         8.6         46.9         970.4         66.9         174.7         5.5           10.0         11.7         20.4         46.9         970.4         66.9         174.7         5.5         10.0         970.4         66.9         174.7         5.5         11.4         970.4         66.9         174.7         5.5         11.4	GEOMETRIC ALTITUDE MSL FEET	PRESSU MILLIBA	9	PERATURE DEWPOINT CENTIGRADE	RCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	0	SPEED KNOTS	INDEX OF REFRACTION
865.7 30.4 12.3 33.0 1010.3 600.8 209.9 60.0 1010.3 600.8 209.9 60.0 1010.3 600.8 25.0 24.5 10.5 37.3 1010.3 600.8 209.9 60.0 10.5 24.5 10.5 37.3 1010.3 600.8 25.0 10.5 24.5 10.5 37.3 1010.3 600.8 25.0 10.5 24.5 24.5 10.5 24.5 10.5 24.5 10.5 24.5 10.5 24.5 10.5 24.5 10.5 24.5 24.5 10.5	600	Bog				10101		210.0	4.0	80000
870.6         26.2         10.5         37.3         1007.6         675.9         136.1         5.8           8 470.6         26.2         10.0         40.0         993.6         672.9         136.0         6.5           8 470.6         22.7         21.7         9.1         44.4         993.6         672.8         166.6         5.9           1 13.7         21.7         9.1         44.4         998.6         66.3         116.4         5.9           1 75.6         10.2         46.7         66.8         16.4         2.1         1.7         1.	000	885	30.6		m	1010.3	680.8	209.9	9	00028
855.7 24.5 10.0 40.0 996.2 673.9 186.0 6.2 6.2 10.0 820.2 10.0 820.2 10.0 820.2 10.0 820.2 10.0 820.2 10.0 820.2 10.0 820.2 10.0 820.2 10.0 820.2 10.0 11.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		870.	26.2		-	1007-6		199-1	5.8	1.000278
840.8         23.0         9.5         42.3         983.8         672.2         174.5         6.6           811.7         20.4         96.1         96.2         174.7         56.5         174.7         56.5           811.7         20.4         96.6         46.4         96.3         174.7         56.5           1 756.2         16.1         46.2         50.6         920.7         66.9         32.1         2.1           1 756.2         16.1         46.2         46.1         96.9         17.7 <t< td=""><td></td><td>855.</td><td>24.5</td><td>0</td><td>C</td><td></td><td></td><td>186.0</td><td>5.9</td><td>1.000275</td></t<>		855.	24.5	0	C			186.0	5.9	1.000275
826.2         21.7         9.1         44.4         970.9         670.8         166.6         6.5           911.7         20.4         8.6         46.4         970.9         670.8         166.6         6.5         1.7	_	840.	23.0	9.5	42.3		672.2	174.5	6.5	1.000271
811.7         20.4         8.6         46.4         958.2         669.3         174.7         5.5           783.6         179.2         8.0         48.5         958.2         66.3         174.7         5.5           783.6         179.2         16.8         6.4         50.3         66.3         231.2         1.7           769.6         16.8         6.4         50.3         950.4         66.3         327.4         2.1           769.6         16.8         6.4         50.3         950.4         66.3         327.4         2.1           769.6         16.8         6.4         50.3         950.4         66.5         327.4         4.6           716.5         13.4         40.0         890.4         658.0         31.5         9.4         1.1           716.5         13.4         40.0         890.4         658.0         32.6         13.6 <td></td> <td>826.</td> <td>21.7</td> <td>9.1</td> <td>4.44</td> <td></td> <td></td> <td>166.8</td> <td>6.5</td> <td></td>		826.	21.7	9.1	4.44			166.8	6.5	
0         797.6         19.2         8.0         48.5         945.7         667.8         186.4         13.7           1         783.6         15.5         50.6         920.7         664.9         253.2         1.7         1.1           1         782.8         15.5         2.0         45.1         906.9         664.0         2.0         6.9         1.7         1.1         1.1         2.0         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.2         4.5         1.5		811.	20.4	8.6	46.4			174.7	5.5	•
0         783.6         17.9         7.5         50.6         933.4         666.3         233.2         1.7           1         769.9         16.8         6.4         50.3         920.7         664.9         327.4         4.5           1         769.8         16.8         6.4         450.3         920.7         663.0         19.2         4.5           1         769.6         16.9         663.0         19.2         6.9         11.7         4.5         11.7         4.5         11.7         4.5         11.7         11.8         11.7         11.8         11.7         11.8         11.7         11.8         11.7         11.8         11.7         11.8		797.	19.5	8.0	48.5	945.7	8.799	186.4	3.9	•
769.9         16.8         6.4         50.3         920.7         664.9         327.4         2.1           729.6         14.6         1.2         40.0         893.4         662.0         19.5         69.1           729.6         14.6         1.2         40.0         890.2         662.0         33.5         19.4           703.7         12.9         -4         40.0         867.4         659.9         32.6         13.8           703.7         12.9         -4         40.0         867.4         659.9         32.6         13.8           10         703.7         12.6         50.2         862.0         33.5         13.7           10         665.2         9.6         -7.7         28.6         867.2         22.9         13.8           10         666.9         3.4         -10.4         70.0         867.2         22.9         13.9         13.9           10         666.9         3.4         -10.4         70.0         867.2         22.9         13.9         14.0           10         666.9         3.4         -10.4         70.4         469.8         23.0         14.0         14.0         13.3         14.0         <		783.	17.9	7.5		933.4	666.3	231.2	1.7	.00025
756.2         16.1         4.2         45.1         906.9         664.0         2.0         4.5           727.6         11.6         1.2         40.0         893.4         660.9         31.5         96.9           727.6         11.6         1.2         40.0         880.2         660.9         31.5         94.9           705.7         11.8         -2.6         36.2         860.9         35.2         11.7         11.7           653.9         11.8         -2.6         36.2         842.4         659.9         32.6         13.8           653.9         10.8         -2.6         36.2         842.4         659.9         32.6         13.8           653.9         10.8         -2.6         36.2         842.4         659.9         32.6         13.8           653.9         8.4         -9.0         28.6         842.4         659.9         24.9         13.4           653.9         8.4         -9.0         28.6         842.4         658.8         53.4         14.0           653.9         11.4         27.4         774.3         649.8         27.8         14.0           606.9         3.4         -11.4         27.4 </td <td><math>\overline{}</math></td> <td>169.</td> <td>16.8</td> <td><b>6.4</b></td> <td>50.3</td> <td></td> <td>6.499</td> <td>327.4</td> <td>2.1</td> <td>.00024</td>	$\overline{}$	169.	16.8	<b>6.4</b>	50.3		6.499	327.4	2.1	.00024
0         742.8         15.5         2.0         40.0         893.4         663.0         19.2         6.9           0         716.5         11.4         1.2         40.0         867.2         662.0         33.5         11.7           0         703.7         12.9        4         40.0         867.2         662.0         33.5         11.7         11.8         -2.6         35.2         84.4         658.6         24.9         11.7         11.7         28.6         870.8         658.6         24.9         11.7         11.7         28.6         870.8         658.7         22.9         11.7         11.7         28.6         870.8         658.2         22.9         11.7         11.7         28.6         870.8         657.2         22.9         13.8         11.9         11.3         11.3         11.3         11.3         11.3         11.3         11.3         11.3         11.3         11.3         11.3         11.3         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4         11.4		756.	16.1	4.2	45.1	6.906	0.499	2.0	4.5	30024
729.6         14.6         1.2         40.0         880.2         666.0         33.5         9.4           703.7         12.9         -4         40.0         884.4         659.6         26.9         33.5         11.7           703.7         12.9         -4         40.0         884.4         659.6         26.9         13.8         11.7           655.9         10.8         -5.7         20.8         819.2         657.2         24.9         13.8         11.7           655.9         8.4         -7.1         -10.4         27.4         765.2         26.9         13.5         13.8         11.7         13.8         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         13.4         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.		742.	15.5	•	0.04	893.4		19.5	6.9	•
703-7         12.9         -4         40.0         854.4         659.6         53.3         111.7           703-7         12.9         -2.6         36.2         842.4         659.6         24.9         13.8           0         658.6         10.8         -5.7         30.8         850.8         657.2         24.1         13.8           0         666.2         8.4         -9.6         -7.7         28.6         810.8         657.2         24.1         13.8         13.8           0         666.2         8.4         -9.0         28.6         807.7         655.7         22.0         13.9         13.8           0         641.8         7.1         -10.4         27.4         774.3         649.8         23.0         14.6         13.3         14.6         13.3         14.6         13.3         14.6	9500.0	729.	14.6	1.2	0.04	880.2		31.5		.0005
09111         11.0         -5.4         90.0         859.4         559.9         52.6         13.8           0 678.6         10.8         -5.7         36.2         819.2         655.7         24.1         13.8         14.8         13.8         14.8	10000.0	116.	13.7	•	•	•	6.099	33.3		•00022
0916.1         11.8         -5.0         30.2         842.4         655.0         24.9         15.4           066.2         9.6         -7.7         28.6         819.2         655.7         24.9         13.4           066.2         9.6         -7.7         28.6         819.2         655.7         25.9         13.3           066.2         9.6         -7.7         28.6         819.2         655.7         25.9         13.3           066.2         9.6         -11.7         26.8         774.3         649.8         27.9         14.6         15.9           066.9         3.4         -11.7         26.8         774.3         649.8         27.8         14.6         14.6         15.7           0606.9         3.4         -14.4         25.7         774.3         649.8         27.8         14.6         <	10500.0	,03		***	0.04		626.6	32.6		.00021
666.2         40.0         7.7         28.6         807.7         655.7         27.1         13.3           10         656.2         8.4         -9.0         28.6         807.7         655.7         22.5         13.3         13.3           10         653.9         8.4         -9.0         28.6         807.7         655.7         22.6         13.3         14.0           10         606.9         3.4         -10.4         27.4         765.4         649.8         23.4         14.0         14.6         14.6         14.0<	11000.0	.169	-	9.2	36.2		658.0	59.6	13.8	.00021
653.9 84 -9.0 28.0 807.7 654.2 22.5 15.3 10.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	12000-0	666	9.6	7.7-	28.6	850.8	651.6	23.0	13.4	000050
041.8         7.1         -10.4         27.4         796.4         652.8         23.4         14.0           0616.9         3.4         -11.7         26.8         774.3         649.8         27.8         14.6           0616.9         3.4         -14.4         25.7         762.8         646.8         27.8         14.6           0616.9         3.4         -14.4         25.7         762.8         646.8         35.3         16.7           0         584.7         1.0         24.5         774.3         645.8         35.2         16.7           1         584.7         752.8         645.8         35.2         16.7         16.7           1         1.0         24.5         771.3         645.9         37.3         19.3         16.7           1         1.0         -1.7         -14.4         37.0         721.5         642.3         36.2         20.8         16.7         19.3	12500.0	653.	9.6	0.6-	28.0	807.7	654.2	22.5	13.3	.00019
630.0         5.9         -11.7         26.8         774.3         649.8         27.8         14.6           616.9         3.4         -14.4         25.7         763.4         649.8         27.8         14.8         1           616.9         3.4         -14.4         25.7         763.4         648.3         31.3         15.5         1           616.9         3.4         -17.0         24.5         763.4         646.8         35.2         16.7         1	13000.0	641.	7.1	-10.4	27.4	796.4	652.8	23.4	14.0	
618.3         4.7         -13.0         26.2         774.3         649.8         27.8         14.8           606.9         3.4         -14.4         25.7         752.8         646.8         35.2         16.7           955.7         2.2         -17.0         24.5         742.3         646.8         35.2         16.7           957.9         -1.7         -17.4         26.1         731.9         645.9         37.3         19.3           952.4         -3.0         -1.7         -14.4         37.0         721.5         642.3         36.2         20.8           952.4         -3.0         -13.7         43.2         711.3         640.8         39.4         22.5         1           952.4         -3.0         -16.7         36.8         711.3         640.8         39.4         22.5         1           952.4         -3.1         -16.7         36.8         711.3         640.8         39.4         22.5         1           951.4         -45.1         -16.7         36.8         700.8         639.4         43.3         23.8         1           951.2         -7.1         -21.6         30.4         668.9         635.1	13500.0	630.	5.9	-11.7	9	785.3	651.3	24.9	14.6	1.000167
0         506.9         3.4         -14.4         25.7         763.4         646.8         31.3         15.5         16.7 <td< td=""><td>14000.0</td><td>618.</td><td>4.7</td><td>-13.0</td><td>26.2</td><td>774.3</td><td></td><td>27.8</td><td>14.8</td><td>1.000183</td></td<>	14000.0	618.	4.7	-13.0	26.2	774.3		27.8	14.8	1.000183
0         595.7         2.2         -15.7         25.1         752.8         646.8         35.2         16.7         1.0           0         584.7         1.0         -17.0         24.5         742.3         645.4         35.2         18.0         1.0           0         553.9         -1.7         -14.4         27.0         721.5         642.3         37.3         19.3         1.9         11.3         19.4         19.3 <td>14500.0</td> <td></td> <td>3.4</td> <td>-14.4</td> <td>25.7</td> <td>763.4</td> <td></td> <td>31.3</td> <td>15.5</td> <td>1.000160</td>	14500.0		3.4	-14.4	25.7	763.4		31.3	15.5	1.000160
0       0.00 <t< td=""><td>15000.0</td><td></td><td></td><td>-15.7</td><td>25.1</td><td></td><td></td><td>35.2</td><td>16.7</td><td>1.000177</td></t<>	15000.0			-15.7	25.1			35.2	16.7	1.000177
0       0.73.9       0.43.9       0.43.9       0.57.3       19.3	15500.0		1.0	-17.0	24.5		645.4	30.9	18.0	
552.4       -16.4       37.0       721.5       640.8       39.4       22.5       11.0         0       552.4       -3.0       -13.7       43.2       711.3       640.8       39.4       22.5       11.2         0       531.4       -5.1       -16.3       34.7       690.0       638.1       448.2       24.9       11.2         0       521.2       -6.1       -19.9       32.5       679.4       658.9       50.8       24.9       11.2         0       521.2       -7.1       -21.6       30.4       668.9       655.6       53.8       11.2         0       501.3       -8.2       -23.3       28.3       24.9       12.2       11.2         0       491.6       -9.4       -26.6       23.1       648.9       632.9       53.3       20.1       11.1         0       492.0       -10.7       -30.6       17.5       648.9       632.9       53.3       20.1       11.1         0       462.0       -11.8       -33.7       15.3       619.6       629.9       57.0       16.9       16.9         0       463.0       -12.8       -34.5       15.5       609.7       629.9	16000.0		?!	-17.4	26.1		642.9	37.3	19.3	1.000171
0.52.7       -13.7       45.2       711.3       640.6       554.4       55.9       13.3       25.8       170.8       639.4       43.3       25.8       170.8       639.4       43.3       25.8       170.8       639.4       43.3       25.8       17.8       17.9       17.	10000-0			+ · · · ·	3/.0			39.5	20.8	1.000171
31.4       -5.1       -18.3       34.7       690.0       638.1       44.2       24.9       1.0         0       321.2       -6.1       -19.9       32.5       679.0       638.1       44.2       24.9       1.0         0       321.2       -6.1       -19.9       32.5       679.0       638.1       46.2       24.9       1.0         0       501.3       -8.2       -23.3       28.3       65.6       634.0       52.9       21.5       1.0         0       491.6       -9.0       -26.6       23.1       648.9       632.9       53.3       20.1       1.0         0       482.0       -10.7       -30.6       17.5       639.0       629.9       57.0       18.0       1.0         0       472.5       -11.8       -35.7       15.1       629.6       629.9       57.0       18.0       16.9         0       454.0       -13.8       -34.5       15.5       609.0       626.2       64.2       16.9       16.9       16.9         0       454.0       -13.8       -35.2       15.7       600.0       626.2       64.2       14.5       14.5       14.5       14.5       14.5	17500-0		13.0	-16.7	7.0	700-0		23.4	24.0	
321.2       -6.1       -19.9       32.5       679.4       655.9       50.8       24.3       1.5.9         10       321.2       -661.9       658.9       655.6       53.3       24.3       1.5.2         10       501.3       -8.2       -23.3       28.3       658.9       655.6       53.3       22.5       1.5.2         10       491.6       -9.4       -26.6       23.1       648.9       632.9       52.9       221.5       1.5.1         10       492.0       -10.7       -30.6       17.5       639.4       631.3       55.1       19.1       1.5.1         10       472.5       -11.8       -33.7       15.1       629.6       629.9       57.0       18.0       1.6.9         10       454.0       -12.8       -35.7       15.5       609.7       629.7       619.4       619.4       15.7       1.6.9         10       454.0       -14.9       -35.2       15.7       600.0       626.2       64.2       1.4.5       14.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5       1.4.5	00000			1001	200	0.007	1000	200	000	1.000169
5.11.2       -7.1       -21.6       30.4       668.9       635.6       53.3       23.2       1.         5.01       501.3       -8.2       -23.3       28.3       668.9       635.6       53.3       23.2       1.         5.01       491.6       -9.4       -26.6       23.1       648.9       632.9       20.1       1.         5.01       491.6       -9.4       -26.6       17.5       648.9       632.9       20.1       1.         5.01       492.0       -10.7       -30.6       17.5       639.4       631.3       55.1       19.1       1.         5.01       462.0       -11.8       -33.7       15.3       619.6       629.9       57.0       16.9       1.         5.01       454.0       -13.8       -34.5       15.5       609.7       627.4       61.4       15.7       114.5       114.5         5.01       445.0       -14.9       -35.2       15.7       600.0       626.2       64.2       14.5       14.5       14.5       14.5         6.02       45.4       -14.9       -35.2       15.7       600.0       626.2       64.2       14.5       14.5       14.5       14.5	0.00001	100	1.6-	200	1000	0.000	1.000	7.04	6.47	191000-1
501.3     -7.1     -21.6     50.4     50.8     655.6     55.9     25.2     1.       50.0     491.6     -9.4     -26.6     23.1     648.9     632.9     55.3     20.1     1.       50.0     492.0     -10.7     -50.6     17.5     648.9     632.9     55.3     20.1     1.       50.0     492.0     -10.7     -50.6     17.5     639.4     632.9     55.1     19.1     1.       50.0     472.5     -11.8     -33.7     15.1     629.6     629.9     57.0     18.0     1.       50.0     465.2     -12.8     -33.7     15.3     619.6     628.7     59.0     16.9     1.       50.0     454.0     -13.8     -35.2     15.5     609.7     627.4     61.4     15.7     1.       50.0     445.0     -14.9     -35.2     15.7     600.0     626.2     64.2     14.5     1.       50.0     436.2     -15.9     59.0     524.9     66.4     13.2     1.	0.00007	125		6.61-	•	4.6.00	630.7	9.00	2	1.000138
0.00     0.01.3     -8.2     -23.3     28.3     60.86     634.4     52.9     21.5     1.       0.00     491.6     -9.4     -26.6     23.1     648.9     632.9     53.3     20.1     1.       0.00     472.5     -11.8     -37.0     15.1     629.6     629.9     57.0     18.0     1.       0.00     463.2     -12.8     -33.7     15.3     619.6     628.7     59.0     16.9     1.       0.0     454.0     -13.8     -34.5     15.5     609.7     627.4     61.4     15.7     1.       0.0     445.0     -14.9     -35.2     15.7     600.0     626.2     64.2     14.5     1.       1.0     436.2     -15.9     15.9     15.9     590.5     624.9     66.4     13.2     1.		1110	1./-	-21.6	30.4			200	23.5	1.000155
491.6     -9.4     -26.6     23.1     648.9     632.9     53.3     20.1     1.       0.0     482.0     -10.7     -30.6     17.5     639.4     631.3     55.1     19.1     1.       0.0     472.5     -11.8     -33.7     15.3     619.6     629.9     57.0     18.0     1.       0.0     463.2     -12.8     -33.7     15.3     619.6     628.7     59.0     16.9     1.       0.0     45.0     -13.8     -34.5     15.5     609.7     627.4     61.4     15.7     1.       0.0     445.0     -14.9     -35.2     15.7     600.0     626.2     64.4     13.2     1.       0.0     436.2     -15.9     15.9     15.9     590.5     624.9     66.4     13.2     1.		100	-8.5	-23.3	28.3	9.869		52.9	21.5	1.000152
462.0     -10.7     -30.6     17.5     659.4     651.3     55.1     19.1     1.00014       10     472.5     -11.8     -33.7     15.3     619.6     628.7     59.0     16.9     1.00014       10     463.2     -12.8     -33.7     15.3     619.6     628.7     59.0     16.9     1.00014       10     45.0     -13.8     -34.5     15.5     609.7     627.4     61.4     15.7     1.00013       10     436.2     -15.9     -35.9     15.9     15.9     590.5     624.9     66.4     13.2     1.00013		.164	16.	97	25.1	6.8.9		53.3	20.1	1.000148
0     4/2.5     -11.8     -32.0     15.1     629.6     629.9     5/.0     18.0     1.00014       0.0     463.2     -12.8     -33.7     15.3     619.6     628.7     59.0     16.9     1.00014       0.0     454.0     -13.8     -34.5     15.5     609.7     627.4     61.4     15.7     1.00013       0.0     445.0     -14.9     -35.2     15.7     600.0     626.2     64.2     14.5     14.5     1.00013       0.0     436.2     -15.9     -35.9     15.9     590.5     624.9     66.4     13.2     1.00013		- 285	-10.7	200	17.5	629.4		22.1		00014
0.0 463.2 -12.8 -33.7 15.3 619.6 628.7 59.0 16.9 1.00014 0.0 45.0 -13.8 -34.5 15.5 609.7 627.4 61.4 15.7 1.00013 0.0 445.0 -14.9 -35.2 15.7 600.0 626.2 64.2 14.5 1.00013 0.0 436.2 -15.9 -35.9 15.9 590.5 624.9 66.4 13.2 1.00013		*12.	-11.8	33.	15.1	9.629		57.0		00014
2000-0 454-0 -13-8 -34-5 15-5 609-7 627-4 61-4 15-7 1-00013 25,000 445-0 -14-9 -35-2 15-7 600-0 626-2 64-2 14-5 1-00013 30,00-0 436-2 -15-9 -35-9 15-9 590-5 624-9 66-4 13-2 1-00013	-	463.	-12.8	33.	15.3	619.6		29.0	9	00014
2560.0 445.0 -14.9 -35.2 15.7 600.0 626.2 64.2 14.5 1.00013 3000.0 436.2 -15.9 -35.9 15.9 590.5 624.9 66.4 13.2 1.00013	2000	424	-13.8	34.	15.5		627.4	61.4	15.7	00013
3000.0 436.2 -15.9 -35.9 15.9 590.5 624.9 66.4 13.2 1.00013	2500	442.	-14.9	35	15.7		620	2.49	14.5	00013
	3000	436.	-15.9	S	15.9		624	h•99	13.2	00013

GEODETIC COORDINATES	32.48034 LAT DEG	106-42307 LON DEG
UPPER AIR DATA	SMR	

GEUMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	AIR DEGREES	TEMPERATURE R DEWPOINT EES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SOUND KNOTS	WIND DATA DIRECTION S DEGREES(IN) K	SPEED	1NDEX OF REFRACTION
23500.0	427.5	-16.9	-33.4	22.2	580.9	623.8	0.69	11.9	1.000131
3.000.00	2.07.	11.70	0.00	6.4	0.075	6.000	25.0	0 -	1.0001
25000.0	2005	-18.6	-38.7	12.0	550.3	621.6	82.1	11.3	1.000124
25500.0	394.1	-19.6	-38.8	16.2	541.4	620.4	88.2	10.9	1.000122
25000.0	386.1	-20.8	-38.8	17.9		619.0	91.1	9.1	1.000120
26500.0	378.	-21.9	-38.9	19.5	524.3	617.6	94.2	7.3	1.000118
27000.0	370.5	-23.0	-36.0	29.1	515.8		2.46	5.5	1.000117
27500.0	362.	-24.1	-33.4	41.6	507.4	614.9	92.9	3.7	1.000115
280000-0	355.	-25.3	-34.1	43.3	499.2	613.5	72.3	2.5	
28500.0	347.	-26.5	-36.2	39.1	491.2	612.0	20.0	2.1	1.000111
2900000	340.	-27.7	-38.4	34.8	483.2	610.5	1.6	5.0	1.000109
29500.0	333.	-28.9	-40.7	30.6	475.5	0.609	5.6	7.7	1.00010
300000		-30.1	-43.1	26.4	467.8	607.5	17.1	0	1.000105
30500.0	519.	-31.2	-45.8	22.2	460.3	0.909	25.8	11.9	1.000103
31000.0	312.	-32.4	-47.3	20.7	452.6	9.409	32.7	12.1	1.000101
31500.0	306.2	-33.5	-48.9	19.3	445.0	603.2	38.2	11.6	1.000100
3200000	599.6	-34.6	-50.5		37.	601.8	45.0	4.6	1.000098
	293.1	-35.8	-53.1	14.9**	430.5	600.2	20.0	7.2	1.000096
-	286.7	-37.1	-55.9	-	423.1	598.6	70.7	5.5	1.000094
•	280.4	-38.4	-59.5	**0.6	416.1	597.0	102.6	4.4	1.000093
34000.0	274.3	-39.6	-63.2	**0.9	409.2	595.4	132.9	4.5	1.000091
	268.3	6.0%-	-68.9	3.1**	405.4	593.7	155.7	5.4	1.000090
-	262.	-42.1	-88.7	**1*	395.8	592.1	173.6	5.6	1.000088
_		-42.8			388.1	591.3	187.7	5.9	1.000086
-		4.64-			380.5	590.5	194.4	4.6	1.000085
		3.33-			373.4	589.3	209.3	3.5	1.000083
37000.0		-45.4			366.5	588.0	247.6	3.5	1.000082
		1.91-			359.8	586.6	268.6	4.8	1.000080
•		1-11-			353.2	585.3	259.4	6.9	1.000079
		1.01-			346.7	584.0	254.3	œ	1.000077
	.912	149.0			340.3	582.7	246.8		1.00007
39500-0		-50.5			34	581.3	241.4	è	1.000074
	208.	-51.5			328.0	580.0	245.7		1.00007
:		-52.5			322.0	578.0	249.8	15.9	1.000072
		-53.5			316.0	577.4	554.4	16.0	1.000070
:	-	-54.2			•	576.4	559.6	S	1.000069
45000.0	61	-55.0			m	575.5	265.3		1.000068
:	185.	-55.7			9	574.5	274.0	10.7	1.000056
	181.	1.96-			291.1	573.6	257.8	7.8	1.00006

\*\* " LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

DETIC COORDINATES 32-48034 LAT DEG 106-42307 LON DEG	INDEX OF REFRACTION	•	1.000062	1.000061	1.000060	1.000059	•	1,000056	1.000055	1.000054		1.000052		1.000050	1.000048	1.000047	1.000046	1.000045	1.000044	1.000043	1.000042	1.000041	1.000040	1.000039	1.000039	1.000038	1.000036	1.000035	1.000034	1.000033	1.000032	1.000031	1.000030	1.000029	1.000028	1.000027	1.000026	1.000026	1.000025	1.000024
6E0DETIC 32-4 106-4	SPEED KNOTS	9.6	7.4	10.9	13.9	15.2	16.6	16.1	15.7	15.5	15.4	15.3	16.4	17.6	19.1	20.8	21.4	19.8	18.4	15.5	12.5	1.6	7.8	0:	2.6	200	4.	1.4			1.5	1.1	€.	4.1	8.9	12.4	14.0	10.1	15.8	15.1
	WIND DATA DIRECTION SP DEGREES(TN) KN	242.4	214.5	202.9	199.1	5002	201.8	196.9	191.5	168.3	187.8	187.5	186.3	185.4	182.4	179.0	175.7	171.4	166.3	167.2	169.4	176.4	194.0	218.8	2.022	270.1	317.2	53.5	71.9	200-3	213.6	202.3	180.5	82.8	6.61	5.40	1.96	702.5	111.6	710.5
8 A T A	PEED OF SOUND KNOTS	572.6	571.7	570.7	569.5	568.3	567.1	565.9	264.7	563.7	562.7	561.7	260.6	559.6	560.1	559.8	559.1	558.3	557.6	556.9	556.2	555.5	554.8	553.4	555.0	548.6	547.1	549.2	551.4	553.5	555.6	557.7	559.8	561.9	563.9	565.3	565.6	266.0	566.1	266.3
UPPER AIR DAT 1770060208 S M R	DENSITY S GM/CUBIC METER	285.2	279.4	273.7	268.2	262.9	257.7	252.5	247.5	242.3	237.2	232.2	227.3	222.5	216.6	211.5	206.8	202.1	197.6	193.1	188.8	184.6	180.4	1,6.7	7.07	166.4	163.0	157.7	152.6	147.6	142.8	138.2	133.7	129.4	125.3	121.6	118.5	115.5		109.8
5	REL.HUM. PERCENT																																							
ET MSL MST	TEMPERATURE AIR DEWPOINT GREES CENTIGRADE																																							
3997.30 FEET 0915 HRS M	TEMP AIR DEGREES	-57.1	-57.8	-58.6	-59.4	-60.3	-61.3	-62.2	-63.1	-63.8	9.49-	-65.3	-66.1	-66.8	1-99-	-66.7	-67.2	-67.7	-68.3	-68.8	-69.3	8-69-	-70·4	-71.5	772.6	-74.8	-75.9	-74.4	-72.9	-71.3	-69.8	-68.2	1.99-	-65.2	-63.6	-62.6	-62.3	1.29-	-62.0	-61.8
UDE 20	PRESSURE MILLIBARS	176.8	172.7	168.6	164.6	160.6	156.7	153.0	149.3	145.6	142.0	138.5	135.1	131.8	128.6	125.3	122.2	119.5	116.2	113.5	110.5	10/01	105.0	*******	97.2	24.7	92.3	0.06	87.7	85.5	83.4	91.3	79.3	77.3	75.3	73.5	711.7	0.07	68.3	0.00
STATION ALTIT 26 JUNE 79 ASCENSION NO.	GEOMETRIC ALTITUDE MSL FEET	43500.0	0.00044	44500.0	5000.	:	000	:		:	000	200	-	:		:	:	•	•	•	•	•	:	: .	:	56000.0	:				-	000		0.00009	00	:	9			:

PRESSURE MILLIBARS	TEMP AIR DEGREES	TEMPERATURE AIR DEWPOINT EGREES CENTIGRADE	REL. HUM. PERCENT	D S S	SPEED OF SOUND KNOTS	WIND DATA DIRECTION SPEED DEGREES(TN) KNOTS	SPEED KNOTS	INDEX OF REFRACTION
65.0	-61.7			107.1	566.5	119.9	14.5	1.000024
61.9	-61.5			101.9		93	13.0	1.000023
4.09	-61.3			4.66		85.0	15.0	1.000022
29.0	-61.2			6.96		79.3	16.6	1.000022
51.5	-61.1			94.5	567.3	75.2	18.1	1.000021
26.5	9.09-			92.1	560.0	7.77	18.5	1.000021
24.8	-59.8			89.5	569.1	80.0	18.9	1.000020
53.5	-58.9			87.0	570.2	81.7	19.5	1.000019
52.5	-58.1			9.48	571.3	82.2	20.1	.00001
	-57.3			82.3	572.4	82.7	20.8	.00001
	-56.6			80.1	573.3	83.5	21.4	1.000018
48.6	-56.4			78.2	573.5	9.48	21.9	1.000017
	-56.3			76.3	573.7	85.6	22.5	
	-56.1			74.4	573.9	1.06	23.1	1.000017
45.3	-56.0			72.6	574.1	95.2	23.9	•
44.2	-55.9			40.0	574.3	6.66	24.8	.00001
'n.	-55.7			69.5	574.5	100.0	25.1	
	-55.6			67.5	574.6	8.66	25.3	1.000015
2.14	100.4			62.6	574.8	99.5	52.6	•
7.04	-55.3			64.3	575.0	6.66	24.2	
39.5	-55.2			62.7	575.2	100.3	55.6	1.000014
28.5	-55.0			61.2	575.4	100.8	21.1	1.000014
\$1.70	-24.9			29.8	575.6	101.2	21.0	1.000013
30.0	-54.5			58.3	576.1	101.6	50.9	1.000013
320	-53.9			26.8	576.8	102.0	50.9	1.000013
24.5	-53.3			55.3	577.6	100.4	21.9	1.000012
34.1	-52.7			53.9	578.4	98.8	55.9	1.000012
33.3	-52.1			52.5	579.2	4.76	24.0	1.000012
	-51.6			51.2	579.9	8.86	24.0	1.000011
31.8	-51.0			9.64	580.7	100.5	24.0	1.000011
	-50.4			48.6	581.5	102.2	24.0	1.000011
•	8.64-			47.3	582.2	105.3	23.5	
	4.64-			46.2	582.7	103.7	22.9	1.000010
	-49.3			45.1	585.9	112.2	22.5	1.000010
	-49.1			0.44	583.1	112.1	22.3	1.000010
	0.64-			43.0	583.3	111.2	22.0	1.000010
27.0	-48.8			42.0	583.5	110.3	21.8	1.000009
	-48.7			41.0	203			
						1.011	21.0	000000

GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG	INDEX OF REFRACTION	1.000009 1.000008 1.000008 1.000008
32. 32.	SPEED KNOTS	22.3
	C PRESSURE TEMPERATURE REL.HUM. DENSITY SPEED OF WIND DATA AIR DEWPOINT PERCENT GM/CUBIC SOUND DIRECTION SPEED MILLIBARS DEGREES CENTIGRADE METER KNOTS DEGREES(TN) KNOTS	0.96
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SPEED OF SOUND KNOTS	39.0 584.9 38.0 586.0 37.0 587.0 35.1 589.1
UPPER AIR DATA 1770060208 S M R	DENSITY 6M/CUBIC METER	39.0 38.0 36.0 36.1
5	PERCENT	
T MSL MST	ERATURE DEWPOINT CENTIGRADE	
3997.30 FEET MSL 0915 HRS MST 18	TEMP AIR DEGREES	146.9
TITUDE 399	PRESSURE MILLIBARS	25.5 23.6 23.6 23.6
STATION ALTITUDE 3. 26 JUNE 79 ASCENSION NO. 208	GEOMETRIC ALTITUDE MSL FELT	83500.0 84000.0 85000.0 65500.0
	- 4	

MRN SIGNIFICANT LEVEL DATA 1770060208 S M R	
STATION ALTITUDE 3997.30 FEET MSL 26 JUNE 79 0915 HRS MST ASCENSION NO. 208	

GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG	PRESSURE MILLIBARS		2.580+1	3.000+1	3.700+1	5.000+1	5.680+1	7.000+1	7.420+1	9.240+1	1.00042
GEODETIC (32.48(	TEMPERATURE AIR DEG C	-43.5	-48.5	-49.5	-54.8	-26.6	-61.0	-62.1	-62.7	-76.0	-72.3
	CEP										
4	DEW PT DEP DEG C	66	66	66	66	66	66	66	66	66	00
S M R	M M M M M M M M M M M M M M M M M M M	****6666-	-11-	-11-	-11-	-11-	.6-	-8-	-9-	•	2.
S M R	DATA N-S MPS	***6666-	۶٠	ů.	۶.		-5.	'n	7	÷	2.
T MSL	WIND D. SPEED MPS	***6666		12.	•	.:.		÷	•	•	3.
IE 3997.30 FEET MSL 0915 HRS MST 208	DIRECTION DEG (TN)	****6666	102.	.201	101	::		105.	.6.	211.	228.
STATION ALTITUDE 26 JUNE 79 ASCENSION NO. 20	GEOPOTENTIAL ALTÍTUDE DECAMETERS	2613.	6162	2460	*****	5035	5015	1083.	104/	1/10	10/0.

\*\* WIND DATA NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.

MANDATORY LEVELS 1770060208 S M R

STATION ALTITUDE 3997.30 FEET MSL 26 JUNE 79 0915 HRS MST ASCENSION NO. 208

GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG

												•												
DATA SPEED V) KNOTS	0.9	4.4	5.7	14.2	13.5	16.2	22.9	21.3	15.2	11.3	1.6	9.6	4.4	16.1	5.6	15.8	20.9	5.5	6.	15.9	15.4	21.2	24.0	23.2
WIND D DIRECTION DEGREES(TN)	181.5	183.9	8.2	32.2	22.8	33.9	9.	52.9	9.	83.9	37.6	41.6	195.5							104.6				9.
REL . HUM. PERCENT	41.	48.	43.	40.	28.	25.	42.	28.	16.	15.	*0*	18.												
TEMPERATURE R DEWPOINT EES CENTIGRADE	9.6	8.1	3.2	9:-	-9.5	-15.2	-14.4	-23.5	-34.8	-38.9	-35.6	-50.4								•				
AIR DEGREES	23.8	19.4	15.8	12.6	8.0	2.7	-3.3	-6.3	-14.3	-18.8	-26.1	-34.5	-43.5	-53.4	-57.4	-65.9	-66.8	-72.3	-67.3	-62.1	-61.3	-56.6	-55.3	-49.5
OPOTENTIAL FEET	5189.	6915.	8725.	10637	12660.	14806.	17090.	19541.	22192.	25094.	28312.	31909.	36002.	40820.	43614.	46771.	50412.	54786.	59088.	61774.	64907.	68650.	73308.	79396.
PRESSURE GEOPOTENTIAL MILLIBARS FEET	850.0	800.0	750.0	700.0	650.0	0.009	550.0	500.0	450.0	400.0	350.0	300.0	250.0	200.0	175.0	150.0	125.0	100.0	80.0	70.0	0.09	20.0	40.0	30.0

MRN MANDATORY LEVELS 1770060208 S M R

> STATION ALTITUDE 3997.30 FEET MSL 26 JUNE 79 0915 HRS MST ASCENSION NO. 208

GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG

PRESSURE MILLIBARS	4	
TEMPERATUR AIR DEG C	00000000000000000000000000000000000000	-
DEW PT DEP DEG C	1133 1133 1133 1133 1133 1133 1133 113	
	*	
DATA N-S MPS	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	;
SPEED MPS	9999 1120 1120 1130 1130 1130 1130 1130 1130	;
DIRECTION DEG (TN)	9999 100, 100, 100, 100, 100, 100, 100,	
SEOPOTENTIAL ALTITUDE DECAMETERS	25540 22220 22220 2032 1883 1883 1973 1973 1973 1973 1973 1973 1973 197	.000

\*\* WIND DATA NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.